

**PCT****WORLD INTELLECTUAL PROPERTY ORGANIZATION****International Bureau****INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)**

<b>(51) International patent classification<sup>6</sup>:</b>  C12N 15/55, 9/22, C12P 21/02, A61K 38/46, 39/395, 48/00, C12Q 1/34, 1/68	<b>A3</b>	<b>(11) International publication number:</b> WO 99/58647  <b>(43) International publication date:</b>  18 November 1999 (18.11.99)
<b>(21) International application number:</b> PCT/EP99/03071 <b>(22) International filing date:</b> 5 May 1999 (05.05.99) <b>(30) Data relating to the priority:</b> 198 22 122.3 8 May 1998 (08.05.98) <b>DE</b> <b>(71) Applicant (for all designated States except US):</b> AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG [DE/DE]; D-65926 Frankfurt am Main (DE). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (US only):</b> HÜLS, Christoph [DE/DE]; Rheinblick 19, D-55263 Wackernheim (DE). GALLERT, Karl-Christian [DE/DE]; Rendeler Strasse 91, D-61184 Karben (DE). KÖRNER, Christof [DE/DE]; Karolinen Strasse 3, D-80538 Munich (DE). WAHLE, Elmar [DE/DE]; An der Fels 20, D-35435 Wattenberg (DE).	<b>(81) Designated states:</b> AU, CA, CZ, HU, JP, KR, NZ, PL, US, European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> With the International Search Report. Before expiry of the period provided for amending the claims. Further publication will be made if such amendments are received.  <b>(88) Date of publication of the International Search Report:</b> 29 December 1999 (29.12.99)	
<div style="display: flex; justify-content: space-between;"><div><i>TITLE VI</i></div><div>As printed</div></div> <b>(54) Title:</b> <u>HUMAN DEADENYLATING NUCLEASE, ITS PRODUCTION AND ITS USE</u> <b>(54) Bezeichnung:</b> HUMANE DEADENYLIERENDE NUCLEASE, IHRE HERSTELLUNG UND VERWENDUNG <b>(57) Abstract</b> <p>The invention relates to a nucleic acid coding for a human deadenylating nuclease (DAN) which has an amino acid sequence in accordance with SEQ 11 or one of its functional variants, and to parts thereof having at least 8 nucleotides.</p> <b>(57) Zusammenfassung</b> <p>Die Erfindung betrifft eine Nukleinsäure kodierend für eine humane deadenylierende Nuclease (DAN) mit einer Aminosäuresequenz gemäß SEQ 11 oder eine funktionelle Variante davon, und Teile davon mit mindestens 8 Nukleotiden.</p>		